

32.
Howden Rural District Council.



Annual Report . .



OF THE

Medical Officer of Health.



For the Year ending December 31st, 1913.

To the Chairman and Members of the Howden Rural
District Council.

GENTLEMEN,

I present to you my Fourteenth Annual Report on the Rural District of Howden.

Total Area—70,179 acres. 116 square miles.

Poor Rate Assessable Value—£98,077.

Inhabited Houses—2,888; 4·3 per house.

Population (Census 1911) 12,636. Estimated 12,694.

Inspection of District.—All parts of this district have, during the past year, been visited and inspected with more or less frequency as circumstances required, by myself and the Sanitary Inspector, and special visits have been made in connection with cases of infectious diseases and insanitary conditions. The tabulated statement given in this Report will show the good work that has been carried out in the abatement of nuisances.



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Infectious Diseases.—(Scarlet Fever.) Twenty-five cases were notified, there was no death from this cause. The first case was at Ellerton, on March 9th; six in Howden between March 19th and June 15th; two from Balkholme (1 house) on July 4th; four from Hemingbrough, from September 10th to 19th; one from Drewton, September 25th; one from Spaldington, Oct. 8th; one from Holme-on-Spalding-Moor, October 14th; one Howden North Eastern Cottages, October 25th; one Spaldington Grange, October 29th; one Brind, October 30th; one Holme-on-Spalding-Moor, October 31st; one Balkholme, November 6th; one Staddlethorpe, November 14th; one Kilpin Pike, December 16th; one Hail Mill, December 26th; and one Gilberdyke, December 30th. Contact could be traced at Hemingbrough through the school. The children at North Eastern Cottages, Brind and Spaldington Grange were infected from each other. Two from outside attended a private school in Howden, whilst two others lived next door to each other. Several of the cases were only seen when peeling and notified. Owing to the great carelessness of parents and neighbours visiting each other before the nature of the complaint was known no doubt kept up the infection. The disease was mild in character.

Diphtheria. Twenty-eight cases have been notified (one fatal.) They occurred as follows: one at Gilberdyke, four at Broomfleet (3 houses), twelve at Howden (8 in 3 houses), two at Laxton (2 houses), five at Bubwith (1 house), one at the North Eastern Brickyard, three at Kilpin Pike (3 houses). The case at Gilberdyke was fatal. At Broomfleet Vicarage where they had three cases the sanitary conditions were most unsatisfactory. One youth came from Wakefield suffering from Diphtheria.

Four attended a private boarding and day school where a child who had been staying in Hull previously and had suffered from a sore throat was also a scholar, one boarder was removed home a few miles away before the disease was recognized, the remaining three were removed to the Isolation Hospital; the school room and bedrooms were fumigated with Formalin, all the other occupants were kept in quarantine until two consecutive negative swabs were obtained; the school was kept closed for a month, then again thoroughly disinfected and washed, all cheap books were destroyed before re-opening. There were nine cases notified from amongst the children attending the Council School, I took swabs from children under five years of age who were going to school there and had them bacteriologically examined; all proved negative and these children were immediately excluded from school. As one of the Laxton cases lived where dairy work was carried on, the work was removed to another house until the infection was past. The privy at the house at Bubwith where the five cases came from was only one yard from the back door, the whole family was removed to the Isolation Hospital, one not infected was isolated there; the Sanitary Inspector had the place disinfected, and locked up until the family was free when it was thoroughly washed. The three from Kilpin Pike were infected from the Council School, two were removed to the Hospital and one nursed at home.

Enteric Fever. One was reported from Barmby, where I found the River Ouse Water was the principal supply, there was no drainage and filth near the dwelling. With the permission of the Rural District Council I had the pump water analysed at Barnhill Hall, which had been used in another case—it was grossly polluted with sewage or animal excreta. The case at Kilpin Pike was removed to the Isolation Hospital where she died; a deep pump near her home was part of the supply, but Ouse water was mostly used. The water was not boiled in any of the above instances. Two at Gilberdyke I cannot possibly account for as one used rain water from wooden butts, the other was supplied by water from Hull by the Railway Company.

Erysipelas. Three cases notified during the year of a mild type and no fatality.

Pulmonary Tuberculosis. Twenty-nine cases have been notified during the year compared with twenty in 1912. Each house was visited where the case was, precautions were advised and printed instructions left—both for the good of the patient and the prevention of the disease. Five were allowed Sanatorium benefit during the year under the National Insurance Act. As all the available beds are now taken up in the Sanatoriums by those eligible under the Act there is no chance of obtaining relief in the way of proper treatment for the numerous cases outside the Insurance Act. Advanced cases are left at home, some with large families in close contact to spread the scourge. Until all those suffering from it can be isolated, we cannot expect more than a diminution of the cases notified and this in proportion to the number isolated.

I suggested to my Council on April 12th that Tuberculous patients be admitted to the Isolation Hospital when it was quite free from all other infectious cases, this was allowed, but unfortunately only one benefited for a fortnight. The County Council has a Dispensary at Beverley for the treatment of Tuberculous diseases, but this is too far from this district to be of any advantage. Either on the removal of the patient or after death, their sleeping or sitting rooms have been disinfected by the Sanitary Inspector. I would again suggest as I did in my last Annual Report that spitting flasks be provided by the Council for those cases not coming under the benefits of the Insurance Act. Other Tuberculous diseases—eight cases notified. These are more of a chronic nature, only to be relieved by good living, pure air, and probably surgical treatment.

During the year the following animals have been slaughtered in accordance with the Tuberculosis Order of 1913—Cows 13, Heifers 3, Calves 1, Oxen 1.

In all cases of infectious diseases, special care has been taken; immediately on receipt of each notification a visit was made to the infected house, and if nursed at home instructions left regarding the spreading of the infection. On the removal to hospital, recovery, or death, special orders were given as to washing walls and disinfecting carpets. People are also cautioned against using any water unboiled in this district. The benefits of pure air and clean surroundings cannot always be obtained in confined spaces, but matters can be improved with persuasion if shown how to make the best of a faulty situation.

ISOLATION HOSPITAL.—Thirty-four cases were admitted during the year. Diphtheria 19, Scarlet Fever 7, Enteric Fever 1. Two were admitted for isolation and three not reported to the Rural District Council gave a negative result when swabs were examined, no death occurred. Before a patient was discharged, three negative results had to be obtained. There were no return cases. A new hospital was proposed last year, and three acres of land purchased by the Rural District Council about a mile from the town. A Local Government Board Enquiry was held by Dr. Fletcher to obtain a loan of £3,500 on February 5th. Plans were passed and building operations are expected to commence very soon.

Cases of Infectious Diseases notified from the Year 1903-1913, also those removed to the Isolation Hospital.

YEAR.	DIPHTHERIA.		SCARLET FEVER.		ENTERIC FEVER.	
	Notified.	Hospital.	Notified.	Hospital.	Notified.	Hospital.
1903	89	12	26	1	3	
1904	5	1	19		11	3
1905	5		44	1	17	8
1906	14	6	23		4	1
1907	13	6	26	12	5	1
1908	55	21	14	6	1	
1909	21	8	18	10	1	
1910	13	6	14	8	2	
1911	15	4	22	5	8	
1912	19	11	19	2	2	2
1913	28	19	25	7	5	1
	277	94	250	52	59	16

**Infectious and Contagious Diseases for the Whole District notified during
each Month of the Year 1913.**

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTALS.
Diphtheria	2		4	3	1		13			1	3	1	28
Erysipelas			2								1		3
Scarlet Fever			4		1	2	2		5	6	2	3	25
Enteric Fever	1							1		1	1	1	5
Pulmonary Tuberculosis		2	4	3	4	2	2	5	5	1		1	29
Other Tuberculous Diseases.		3		2		1		1				1	8

Small-pox sheds are still incomplete, making it impossible to admit patients in case of an outbreak.

All cases of notifiable infectious diseases have been notified every week to the Local Government Board and County Council according to instructions given by them.

ANTHRAX ORDER 1910.—Two cases of Anthrax in animals have been reported to me by the police, both carcasses were burnt.

COWSHEDS and DAIRIES.—There are thirty-one registered Cow-keepers, their premises have been frequently inspected, four cowsheds have been provided with more light, three with better ventilation, one more air space, three re-paved, two re-drained, and two cleansed and lime-washed.

Measles proved troublesome the first six months of the year, there was one fatality, the following schools were closed owing to the large number of children attacked. Eastington Council infants, November 18th, 1912 to January 13th, 1913, and the mixed school from Dec. 2nd, 1912 to January 13th, 1913; Blacktoft Council School was closed from January 6th to Jan. 27th; Holme-on-Spalding-Moor Council School from February 24th to March 26th; the Roman Catholic School, from Feb. 26th to March 26th; Laxton School from February 17th to March 10th; and Foggathorpe from May 12th to June 9th.

At Gilberdyke "sore throats" were prevalent, as these were suspicious of Diphtheria, I sent away several swabs but all gave a negative result, the school was closed from February 3rd to February 24th. The School Masters have, by order of the County Council, to report to the Medical Officer of Health, any child's absence from school through illness, this materially helps in the early detection of infectious diseases.

The Medical examination of school children is carried out by the County Council's Medical Officer, and through him much good work has been done. Adenoids, Tonsils, Ear defects, Ringworm of the Scalp have been detected and attended to, some of which otherwise would no doubt have been neglected.

WATER. During my fourteen years of office, a wholesome supply of Water for this district has considerably troubled the Rural District Council, and many discussions have taken place. On October 14th, 1911, a Local Government Board Enquiry was held in Howden, when Percy Griffiths, Esq., M.I.C.E., M.I.M.E., F.G.S., was engaged to find a plentiful supply for the whole district.

Another inquiry was held on March 11th, 1913, by P. M. Crosthwaite, Esq., M.I.C.E., and J. P. Hill, Esq., as to the loan of £500 to enable the engineer to bore at Newbald; this has been carried out, but with poor results. A great scarcity of water has been felt throughout the whole season, both during the summer and autumn months, many of the wells being dry for the first time for many years. The Rural District Council had water brought by the Hull and Barnsley Railway from Hull and sold at a nominal fee—the idea of charging for it was to prevent it being used for garden purposes. Water was also supplied in the same way to Newport. The North Eastern Rly. Co. supply their servants with water brought by tenders. I have had many examinations of water made, but the result has never been satisfactory.

SEWAGE and DRAINAGE.—It is impossible under the present condition of things in this low lying district to make any drastic alterations in sewage disposal. As far as possible, alterations have been carried out to induce a more sanitary state viz:—in Barmby-on-the-Marsh, 88 yds. of new drain have been laid; at Bellasize, 50 yds.; Blacktoft, 14 yds.; Bubwith, 305 yds.; Easttrington, 33 yds.; Foggathorpe, 246 yds.; Gilberdyke, 121 yds.; Harlthorpe, 9 yds.; Hemingbrough, 364 yds.; Holme-upon-Spalding-Moor, 31 yds.; Howden, 176 yds.; Kilpin, 143 yds.; Knedlington, 45 yds.; Laytham, 41 yds.; Laxton, 42 yds.; North Cave with Drewton and Everthorpe, 142 yds.; Scalby, 86 yds. and Wallingfen, 173 yds.

REFUSE and EXCREMENT DISPOSAL.—A contract for the removal of refuse, &c. has been in vogue for years past in Howden Town, but all villages and parts are left to the occupiers. My Council have asked for tenders to contract for the villages of Bubwith, Newport, and Kilpin Pike, but no application has been made up to the present; at Howdendyke, Messrs. Anderton & Co., Ltd. have arranged to have their property cleaned by contract. Pail closets have been recommended, 95 privies have been converted into pail closets during the year, and 12 dust bins have taken the place of filthy holes.

In this district there are only three Common Lodging-houses, these together with Workshops and Slaughter-houses have been inspected from time to time.

VITAL STATISTICS.—The number of deaths of residents belonging to the whole district, whether occurring at home or in institutions away, was 160—this being the smallest number for the last 14 years, which equals a death rate of 12·6 per 1,000 population. Cancer and Organic Heart Disease accounted for 10·6 per 100 deaths registered. Pulmonary Tuberculosis equals 7·5 per 100 deaths. Sixteen died under one year of age, equal to 57·5 per 1,000 births, eleven of these were legitimate equal to 4·6 per 1,000 births, and five illegitimate, equal to 121·9 per 1,000 births. There were seven transferable deaths, one non-resident registered in the district, and six belonging to the district registered outside.

Unfortunately I have to record the lowest Birth rate for many years—278, which equals 21·9 per 1,000 registered, 237 of these were legitimate 41 illegitimate. It will be seen that the death rate of illegitimates far exceeds that of legitimate children.

Table showing Population, Births, Birth-rates and Death-rates.

Deaths classified according to Disease, Age and Locality, for the Year 1913.

Deaths under 1 year are calculated on percentage of registered births. Birth-rate and all ages Death-rate per 1,000.

	Births Reg- istered.	Birth- Rate.	Deaths under 1 year.	Death- Rate.	Deaths at all Ages.	Death- Rate.							Measles.	Diphtheria and Croup.	Influenza.	Pulmonary Tuberculosis.	Other Tuberculous Diseases.	Cancer.	Organic Heart Disease.	Bronchitis.	Pneumonia.	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis.	Cirrhosis.	Nephritis & Bright's Disease.	Premature Birth.	Violent Deaths.	Suicide.	Other Defined Diseases.	Diseases ill-defined or unknown.	Total Deaths in Public Institutions.	
							1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.																				Within the District.	Outside the District.
HOWDEN Sub-District. ... Pop. 5478.	132	24·4	7	5·3	69	12·7	2		2	9	12	37	1		3	5		7	6	2	2	1	2		1	2	1		1	31	4	4	3
BUBWITH Sub-District. ... Pop. 1,585.	35	22·	3	8·5	22	13·8				3	4	12				1		2	4	2	1						2			9	1	1	1
WALLINGFEN Sub-District ... Pop. 3,991.	92	23·1	6	6·5	59	14·8	3	5	5	5	13	22		1	2	5	2	8	5	1	3		1			2	1		28		2	2	
HOLME-ON-SPALDING-MOOR Sub-District ... Pop. 1,686.	19	11·2	Nil.		10	5·9		1			1	8			1	1		2			1			2	1				2		2		

Nine deaths in the Howden Union Workhouse.

Two „

East Riding Asylum, Beverley.

Two deaths in the Royal Infirmary, Hull.

One death in the Leeds Infirmary.

HOUSING AND TOWN PLANNING ACT, 1909.—One hundred and forty five houses have been inspected during the year, compared with 307 in 1912, and 518 in 1911. The distance from the Sanitary Inspector's house gets more each year, so in order to cope with the longer journeys, he has been provided with a Motor Cycle by the District Council.

As regards light, free circulation of air, dampness and cleanliness, 42 are reported good, 86 fair, 12 poor, and 5 bad.

Paving, drainage, sanitary condition of yard or out-buildings occupied with dwelling, 34 good, 63 fair, 35 poor, and 13 bad.

The arrangements for the deposit of refuse and ashes, open ashpits 66, covered ashpits 43, and 36 none.

Six closing orders were made by the Howden Rural District Council for houses unfit for human habitation, and four were voluntarily demolished by owners. The general character of the defects found to exist were defective drainage, light, and ventilation. Bad privy, ashpit accommodation and water supply. There were 292 notices served, and of these 276 were complied with.

A Watering Cart and a tar spraying machine have been provided for Howden.

I enclose the Sanitary Inspector's Report with a statement of defects found and remedied.

I am, Gentlemen,

Your Obedient Servant,

ROBERT B. BROWN,

Medical Officer of Health.

Tabulated Statement of Defects found and remedied during the
Year 1913.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
North Cave.	1	Overcrowded house ...	Overcrowding abated.
	1	Bad privy and open ashpit ...	Ashpit abolished, and privy repaired and converted to pail-closet.
	6	No drainage and foul privies	Drained to cesspool and privies repaired.
	1	No drainage ...	Drain laid.
	2	Foul wooden privies ...	Two privies pulled down, and new privies built.
	1	Cesspool in yard ...	New gully fixed.
	5	Insanitary privies and cesspool, defective roof and paving ...	Privies repaired, cesspool abolished, gully fixed, roof repaired and yard paved.
Bubwith.	3	Bad draining ...	Three houses redrained to cesspools.
	1	Accumulation of refuse ...	Removed.
	1	Bad drainage and sink waste connected direct ...	Sink waste made to discharge over gully and redrained to cesspool.
	2	Defective drainage ...	Redrained.
	1	No rain water gutter ...	Rain water gutter fixed.
	1	Bedroom badly lighted ...	New window fixed.
	1	Bad light and ventilation in bedrooms, defective privy and open ashpit, bad drainage	New windows fixed in bedrooms, redrained to cesspool, and new privy built.
	1	Defective ventilation and wooden privy ...	Two cottages converted to one, privy abolished.
	1	Cesspool and bad drainage ...	Gully fixed and redrained to cesspool.
	1	Blocked gully and defective drainage	Privy and drain repaired.
	1	Sink waste connected direct	Disconnected and trapped.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Bubwith.	1	Cesspool and bad drain .	Gully fixed and redrained to cesspool.
	1	Open ashpit & roof leaking	Roof repaired and ashpit covered.
	1	No drainage, bad wooden privy and ashpit ..	New privy and ashpit, redrained.
	1	Defective drainage ...	Redrained to cesspool.
	3	Defective privies underneath workshop	Privies abolished and three new privies built
	1	Bad drainage ...	Redrained to cesspool.
	1	Dampness in lower rooms ...	Damp course inserted in walls and floor concreted.
	1	Sink waste connected direct	Sink waste disconnected.
	1	Bad privy ...	New privy and covered ashpit built.
	1	Defective privy and open ashpit ..	Ashpit abolished, privy repaired and pan fixed.
	1	Defective Roof ..	Roof repaired.
	1	Water in basement ..	Floor concreted and drained.
	1	Sink waste connected direct	Sink waste disconnected.
	1	Accumulation of ashes, refuse &c. ...	Refuse removed.
	1	Dirty out-buildings ...	Cleansed.
	1	Insanitary privy ..	Repaired and pan provided.
	1	Insanitary privy & cesspool	New privy built and cesspool abolished.
	2	Accumulation of refuse ...	Refuse removed.
	3	Privies and ashpits in bad repair, adjoining back doors and bad drainage	Privies and ashpits abolished, more air space given, three new privies built, cesspool abolished and gully fixed.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Harlthorpe.	1	Defective windows and in- sanitary privy ..	Windows repaired and made to open, privy repaired and pail fixed.
	1	Privy in bad repair ...	New privy built.
	1	Sink waste connected direct	Sink waste disconnected and gully fixed.
	1	Defective privy ...	Privy repaired and pan fixed.
	2	Foul privies and no drainage	Two new privies built and redrained.
Wallingfen.	5	No drainage, bad privies, and roof of one house defective	Drained to cesspool, two privies built, three repaired and provided with pans, and roof repaired.
	4	No drainage and insanitary privies	Drained to cesspool, privies repaired and pans provided.
	1	Insanitary privy ...	Privy repaired and pan fixed.
	1	Cesspool in yard ...	Abolished and gully fixed.
	1	No drainage ...	Drained to cesspool.
	2	Overflowing ashpit ...	Cleansed and emptied.
	1	Defective drainage ..	Redrained.
	3	Foul cesspools ...	Cesspools abolished and gullies fixed.
	2	Foul pans ...	New pans fixed.
	1	Cesspool in yard ...	Cesspool abolished and gully fixed.
	4	Privies in filthy state and animals in dirty condi- tion adjoining dwelling	Animals cleared away and out-buildings cleansed and limewashed.
	1	Foul privy and no rain water gutter ...	New privy built and new rain water gutters fixed.
	1	Insanitary privy ...	Privy repaired and pan fixed.
	1	Bad rain water gutter ...	New rain water gutter fixed.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Asselby.	1	Open ashpit, poor windows and roof ...	Ashpit abolished, new windows, and roof extensively repaired.
Blacktoft.	6	No rain water gutter, foul privy and bad drainage	New rain water gutter, four new privies built and drained extended to cesspool.
	3	Dilapidated pigsties ...	Pigsties removed.
Bellasize.	1	Foul privy and bad drainage and rain water gutters	New privy built, redrained to cesspool, and rain water gutters fixed.
Eastrington.	1	Defective roof ...	Roof repaired.
	3	Dilapidated open ashpits and rain water gutter ...	Ashpits abolished, pans fixed to privies, and new rain water gutter provided.
Howden.	1	Bad drainage ...	Re-drained to cesspool.
	2	Defective privies and open ashpit ...	Two privies converted to pail-closets.
	2	Insanitary privies ...	Two privies repaired and converted to pail-closets and two dust bins.
	2	Foul privy and open ashpit	Ashpit abolished, privy converted to pail-closet.
	1	Foul rain water tank ...	Cleansed.
	2	Defective roof of privy ...	Roof repaired.
	1	Bad drainage ...	Redrained to cesspool.
	2	Sink waste connected direct	Cesspool abolished sink waste made to discharge over gully.
	2	Bad drainage ..	Redrained to cesspool.
	1	Blocked drainage ...	Drains cleansed.
	1	Foul cesspool in yard ...	Cesspool abolished and gully fixed.
	1	Foul privy ...	Repaired and converted to pail closet.
	4	Bad paving in yard and poor privy ...	Back yards paved.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Howden.	1	Bad rain water gutter ..	New rain water gutter provided.
	6	No rain water gutters, foul privies and open ashpits	Rain water gutter fixed, two ashpits abolished and three privies converted to pail closets.
	1	Foul privy connected to cess-pool ...	Cesspool abolished, privy converted to pail closet.
	3	Bad rain water gutters and roof ...	New rain water gutters fixed and roof repaired.
	2	Foul privies and open ashpit	Ashpit abolished, privies repaired and converted to pail closet.
	1	No rain water gutter ...	Rain water gutter provided.
	2	Foul privies and open ashpit	Ashpit abolished and two privies converted to pail closets.
	1	Open ashpit ...	Ashpit abolished and dust bin provided.
	4	Foul privies and open ashpits	Ashpits abolished, privies repaired and converted to pail closets.
	1	Defective drain under dairy	Drain relaid and converted.
	1	Bad privies and open ashpit	Ashpit abolished, privies repaired and converted to pail closets.
	5	Foul open ashpits ...	Ashpits pulled down, privies converted to pail closets.
	2	Foul open ashpits ...	Ashpits pulled down, privies converted to pail closets.
	1	Bad roof of dwelling ...	Roof repaired.
	3	Foul yard and gully ...	Yard cleansed.
	1	Insanitary water closet, bad drainage, foul open ash-pit and privy	New drain laid, water closet removed, waste pipe from lavatory basin disconnected and trapped, ashpit abolished and privy repaired.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Howden.	1	Insanitary privy ...	Privy repaired.
	3	Blocked drains ...	Drains cleansed.
	10	Defective and insanitary privies and ashpits ...	Two ashpits abolished, five privies repaired and converted to pail-closets.
	6	Insanitary privies and ashpits	Five privies converted to pail-closets, two ashpits pulled down, one covered and two built.
	1	Dirty slaughter-house ...	Cleansed.
	1	Filthy dwelling ...	Dwelling cleansed.
	1	Defective ventilation ...	Window made to open.
	1	Sink waste connected direct	Sink waste disconnected and gully fixed
	1	Bad drainage from stables ...	Redrained, gullies fixed and connected to sewer.
	2	Insanitary open ashpits and cesspool	Cesspool abolished, gully fixed, ashpit pulled down, privy converted to pail closet.
Brcomfleet.	1	Accumulation of refuse, &c.	Refuse removed.
Ellerton.	1	No urinal ...	New urinal.
	1	Foul cesspool ...	Cesspool abolished and gully fixed.
	1	Defective privy and gully ...	Privy and gully repaired.
	1	Foul privy and cesspool ...	Privy repaired, cesspool abolished and gully fixed.
Hemingbro.	1	Rain water cistern connected direct to drain	Overflow disconnected.
	1	Defective privy ...	Pan provided and fixed.
	4	Bad drainage ..	Redrained to cesspools.
	2	Insanitary privies and no drainage	Privies converted to pail-closets and houses drained to cesspool.
	1	Foul cesspool ...	Cesspool abolished and gully fixed.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Hemingbro'.	1	Dirty out-buildings near high- way and accumulation of refuse ...	Cleansed and refuse removed.
	1	No cover on cesspool ...	Cover fixed.
	1	Defective drainage ...	Drains relaid to cesspool.
	1	Foul privy and ashpit ..	New privy and ashpit fixed.
	1	Delapidated privy, open ash- pit and bad drainage ...	New privy built and redrained.
	1	Defective privy, bad drainage and accumulation of manure	New privy and covered ashpit built, manure removed, and redrained to cesspool.
	1	Delapidated privy and open ashpit.	Privy repaired and new ashpit built.
	1	Defective drainage ...	Redrained to cesspool.
	1	Bad drainage connected direct to rain water cis- tern	Drain disconnected and relaid.
	1	Bad drainage and open ash- pit	Redrained and ashpit covered.
	2	Overflowing ashpit and accumulation of manure	Ashpit cleansed and manure removed.
	4	Bad drainage and foul privy	Re-drained to cesspools and privy repair- ed.
	1	Defective privy and rain water gutters	Privy repaired and new rain water gutters fixed.
	2	No rain water gutters ...	New rain water gutters fixed.
Laxton.	1	No drainage and foul privy	Drained to cesspool and privy repaired.
	1	Defective drainage ...	Gully fixed.
	1	Insanitary privy ...	Repaired and pan fixed.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Laxton.	1	Insanitary privy in outbuildings	New privy built.
	1	Bad drainage, open ashpit and defective roof	Redrained, ashpit covered and roof repaired.
	1	Bad drainage and defective privy	New gully and drain and privy repaired.
	1	Foul open ashpit ...	Ashpit covered.
	2	Defective privies and open ashpit	Two new privies built.
Knedlington.	1	Drain connected direct to cesspool	Sink waste made to discharge over gully and redrained to cesspool.
	2	No drainage ...	Gully and drain laid.
Holme-on-Spalding-Moor.	2	Privies in bad repair and roof of house defective	Privies and roof repaired.
	2	Defective drainage ...	Drain re-laid.
	1	No drainage ..	Drained to cesspool.
	1	No urinal, foul privy and open ashpit	New urinal built, privy and ashpit repaired.
Foggathorpe.	1	Foul privy and open ashpit near well	Ashpit abolished and pan provided in privy.
	1	No rain water gutter ...	Rain water gutter fixed.
	3	No drainage and bad privy with open ashpit	Re-drained and new privy and ashpit built.
	3	Defective cesspools and drainage	Gullies fixed and redrained to cesspool.
	3	Insanitary privies	Privies repaired and pans fitted.
	1	Defective privies and open ashpit, bad drainage and urinal	Two new privies and covered ashpit built, urinal repaired and re-drained to sewer.
	3	Defective drains ...	Three houses re-drained to sewer.
	1	Broken fall-pipe from rain water gutter	New fall-pipe.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Foggathorpe.	1	Blocked drains ...	Cleansed.
Gilberdike.	1	Bad privy, no rain water gutter & defective drainage	Re-drained to cesspool, new privy built and new rain water gutters.
	1	Insanitary privy, no drainage and poor roof	Redrained to cesspool, new privy built, and roof repaired.
	1	Foul cesspool ...	Cesspool sbolished and gully fixed.
	2	Overflowing open ashpit and privies near well	Ashpit abolished and privies converted to pail-closets.
	1	Filthy dwelling ...	House cleansed.
	4	Defective drainage ...	Drains relaid and cesspool abolished.
	2	Insanitary privies & drainage	Two new privies built and redrained.
	1	No urinal and bad drainage	New urinal and house drained.
	1	Insanitary privy ...	New privy built.
Scalby.	1	Dilapidated privy ...	Privy repaired and converted to pail-closet.
	2	Defective roof, no drainage, bedrooms badly lighted, and open ashpit ...	Redrained to cesspool, roof overhauled, new windows fixed, and ashpits covered.
	1	Foul ditch and bad drainage	Ditch cleansed and house redrained.
	1	Defective drainage ...	Drains relaid to cesspool.
	1	Insanitary privy ...	New privy built.
	1	Bad drainage ...	House redrained.
	1	Foul privy ...	Privy repaired and pan fixed.
Menthorpe.	1	Foul privy and open ashpit	New privy built.
	1	No urinal ...	New Urinal.

Tabulated Statement of Defects found and remedied during 1913—continued.

Situation of PREMISES.	No. of HOUSES.	CHIEF DEFECTS.	CHIEF WORKS OF IMPROVEMENT.
Kilpin.	1	Foul ditch ...	Ditch cleansed and drain laid.
	1	Foul ditch ...	Ditch cleansed.
	2	Defective roof and foul privy and ashpit	Roof, privy and ashpit repaired.
Skelton.	4	Defective drainage ...	Houses redrained.
Barmby-on- the-Marsh.	1	Foul privy and open ashpit	Privy and ashpit abolished, new privy and covered ashpit built.
	2	Open ashpit near well ...	Ashpit abolished and two privies con- verted to pail closets.
	1	Defective drainage ...	Redrained to sewer.
	1	No drainage ...	Drained to sewer and gully fixed.
	1	Privy with open ashpit and bad drainage	Redrained to cesspool and ashpit covered.
	1	Dilapidated privy and ashpit	New privy and ashpit built.
	2	Blocked drainage ...	Drains cleaned and relaid.
	2	Defective cesspools & drain- age	Drain laid and connected to sewer.
Laytham.	1	Defective gullies and ditch	New gullies and drain laid.
	2	No rain water gutters ...	Rain water gutters fixed.
	1	Defective roof ...	Roof repaired.
	2	Defective light and ventila- tion, no drainage, bad privy and no drinking water	Two cottages converted to one, new windows, privy repaired and pan fixed, drained to cesspool, and rain water tanks fixed.

Report by the Sanitary Inspector of the various work carried out during the year 1913.

House to house inspections	....	....	....	145
Notices served (formal and informal)	....	....	....	292
Houses disinfected	....	....	....	51
Cases of overcrowding remedied	....	....	....	2
House drains disconnected	....	....	....	11
New gullies fixed	....	....	....	150
New drains laid	....	....	2109 yards	
Cesspools abolished	....	....	....	48
New cesspools built	....	....	....	33
Old privies abolished	....	....	....	37
New privies built	....	....	....	38
Old ashpits abolished	....	....	....	45
New ashpits built	....	....	....	12
New dust bins provided	....	....	....	12
Ashpits covered	....	....	....	9
Privies converted to pail closets	...	...	...	95
Filthy dwellings cleansed	...	...	...	2
Wells or cisterns cleansed	...	...	...	1
House yards paved	...	...	...	8
Rain-water tanks provided	...	...	...	4
New urinals built	...	....	...	3
Public schools disinfected	...	...	...	2
Houses provided with rain-water gutters	...	...	...	16
Houses better lighted or ventilated	...	...	...	8

SANITARY INSPECTOR'S REPORT (continued).

Nuisances from animals abated	...	...	5
Accumulations of manure, &c., removed	...	...	8
Other nuisances abated	...	...	56
Cowkeepers on register	...	...	31
Cowsheds provided with more light	...	...	4
Cowsheds provided with more ventilation	...	..	3
Cowshed provided with more air-space	...	...	1
Cowshed floors re-paved	...	...	3
Cowsheds re-drained	...	...	2
Cowsheds cleansed and limewashed	...	...	2
Slaughter-houses inspected	...	..	23
Common lodging-houses inspected	...	...	3
Sewers extended or re-laid at Hotham	...	135 yards	
Eastrington	...	15	„
Barmby-on-Marsh	...	83	„

T. DINSDALE,

Asso. Royal San. Inst.

Infant Mortality.

1913. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH.				Under 1 week.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.	
All Causes	{	Certified.		4	1	2	7	3	3	2	1	16	
		Uncertified.											
Other Tuberculous Diseases ...									1				
Bronchitis										1			
Diarrhœa											1		
Gastritis				1		1							
Syphilis					1								
{	Congenital Malformations (c) ...			1				1					
	Premature Birth			2				1					
	Atrophy, Debility, and Marasmus					1		1	1	1			
Other Causes									1				
Totals				4	1	2	7	3	3	2	1	16	
Nett Births in the year				{	legitimate	237	Nett Deaths in the year of				{	legitimate infants	11
				{	illegitimate	41					{	illegitimate infants	5

Cases of Infectious Disease notified during the year 1913.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.										Cases notified in each locality.				Total Cases removed to Hospital.	
	At all Ages.	AT AGES---YEARS.						Howden	Bubwith	Wallingfen	Holme					
		Under 1.	1 to 5.	5 to 15.	15 to 25	25 to 45	45 to 65.									
Diphtheria (including Membranous Croup) ...	28		5	18	3	2		18	5	5		1	2	3	4	19
Erysipelas ...	3				1	1	1	2		1		2				
Scarlet Fever ...	25		4	19	1	1		17	2	3		17	2	3	3	7
Enteric Fever ...	5			1	2	1	1	3		2		3		2		1
Pulmonary Tuberculosis ...	29		1	7	12	8	1	20	2	6	1	20	2	6	1	5
Other forms of Tuberculosis ...	8			3	2	3		2	1	4	1	2	1	4	1	2
TOTALS ...	98		10	48	21	16	3	52	10	21	5	52	10	21	5	34

Vital Statistics of Whole District during 1913 and previous Years.

YEAR.	Population Estimated to Middle of each Year.	NETT BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Number.	Rate.	Number.	Rate.	of Non- residents registered in the District.	of Resi- dents not registered in the District.	Under 1 Year of Age.		At all Ages.	
								Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12
1908.	12239	318	25.9	196	16.	1	6	35	110.	201	16.4
1909.	12239	302	24.6	176	14.3	-	2	17	56.2	178	14.5
1910.	12239	279	22.8	162	13.2	-	12	25	89.6	174	14.2
1911.	12660	317	25.	178	14.	1	7	30	94.6	184	14.5
1912.	12660	287	22.6	161	12.7	-	10	29	101.	171	13.5
1913.	12694	278	21.9	155	12.2	1	6	16	57.5	160	12.6

Total population at all ages **12,636** (at Census 1911.)

Area of district in acres (land and inland water) **70,179.**

Causes of, and Ages at Death during the Year 1913.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
	ALL AGES.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.	
1	2	3	4	5	6	7	8	9	10	11
All Causes { Certified ... Uncertified ...	160	16	2	3	6	7	17	30	79	9
Measles	1						1			
Diphtheria and Croup ...	1				1					
Influenza	6			1		1	1	1	2	1
Phthisis (Pulmonary Tuberculosis) ...	12				1	4	5	2		2
Other Tuberculous Diseases	2	1			1					
Cancer, malignant disease ...	17						3	9	5	
Organic Heart Disease ...	17	2						2	13	2
Bronchitis	5	1					1	1	2	
Pneumonia (all forms) ...	6			1			1	4		
Other Diseases of Respiratory Organs	2						1		1	
Diarrhœa and Enteritis ...	2	1							1	
Appendicitis and Typhlitis ...	1					1				
Cirrhosis of Liver	3							1	2	
Nephritis & Bright's Disease	3							1	2	
Congenital Debility and Malformation, including Premature Birth	3	3								
Violent Deaths, excluding Suicides	3						2	1		
Suicide	1							1		
Other Defined Diseases ...	70	8	2	1	3	1	1	7	47	
Diseases ill-defined or unknown	5						1		4	4
TOTALS	160	16	2	3	6	7	17	30	79	9

